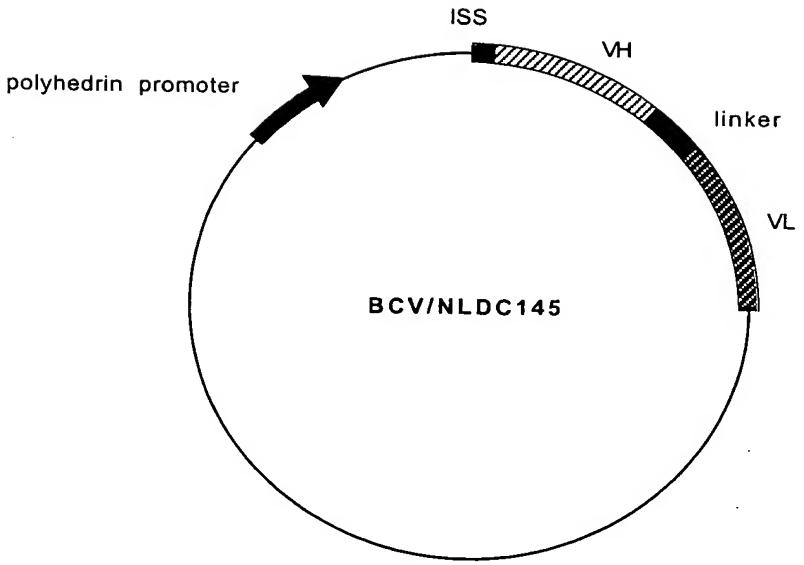


Figure 1A

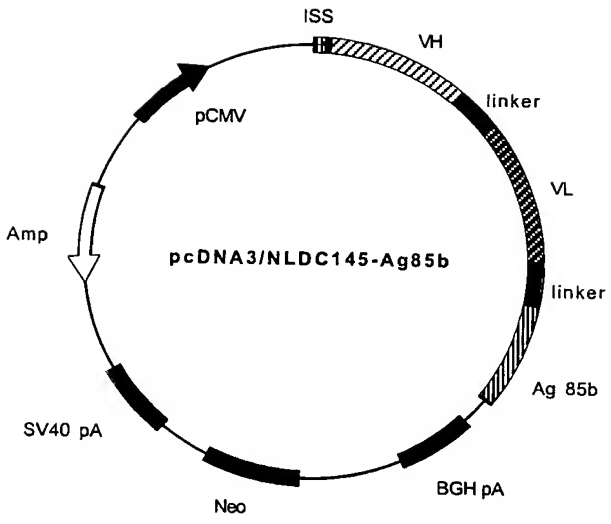

ISS
VH
linker
VL
linker
Ag 85b
BGH pA
Neo
SV40 pA
Amp
pCMV
pcDNA3/NLDC145-Ag85b

Figure 1B

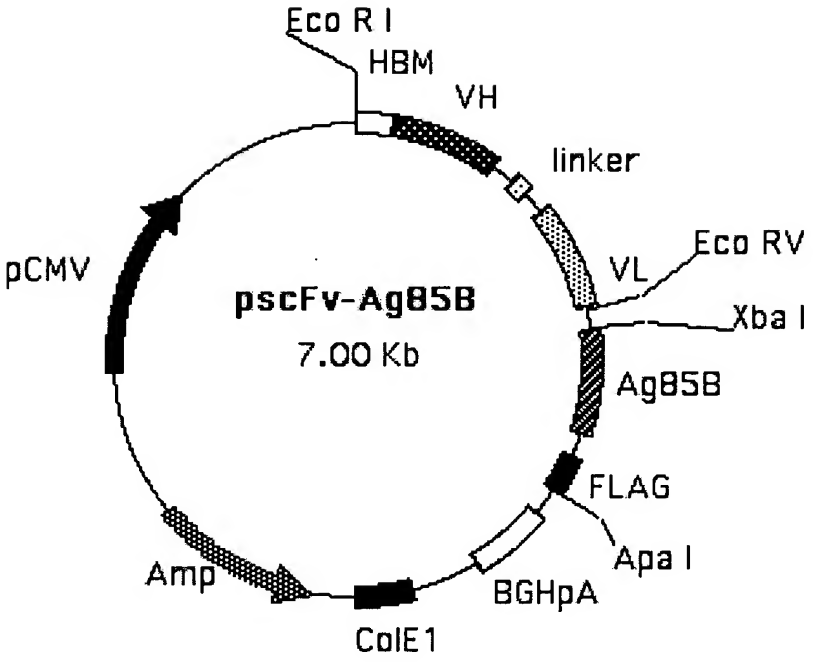
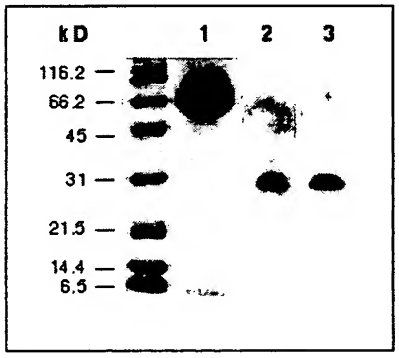

Eco R I
HBM
VH
linker
Eco RV
VL
Xba I
Ag85B
FLAG
Apa I
BGHpA
ColE1
Amp
pCMV
pscFv-Ag85B
7.00 Kb

Figure 2

Figure 3A

	CDR1
NLDC VH	EVKLQQSGTEVVKPGASVKLSCKASGYIFTSYDIDWVRQTPEQGLEWIG
N418 VH	QVKLQESGGGLVQPGRSLKLSCAASGFTFSNSGMHWIRQSPTKGLEWVA
	CDR2
	WIFPGEGSTEYNEKFKGRATLSVDKSSSTAYMELTRLTSEDSAVYFCAR-
	SISPSGGTTYYRDSVKGRFTFSRDNAKSTLYLQMDSLRSEDTATYYSATD
	CDR3
	GDYYRRYFDLWGQGTTVTVSS
	SGHGYTYFDYWGQGTTVTVSS
	CDR1
NLDC VL	DIQMTQSPSFLSTSLGNSITITCHASQNIKGWLAWYQQKSGNAPQLLIY
N418 VL	DIQMTQSPSSLPASLGDRVTIHCQASQDISNYLTWYQQKPGKAPKLLIY
	CDR2 **CDR3**
	KASSLQSGVPSRFSGSGSGTDYIFTISNLQPEDIATYYCQHYQSFPWTFGGGTKLEIKRAA
	ETNKLADGVPSRFSGSGSGRDYSFTISSLESEDVGSYYCQHYYDYPRTFGPGTKLEIKRAA

Figure 3B



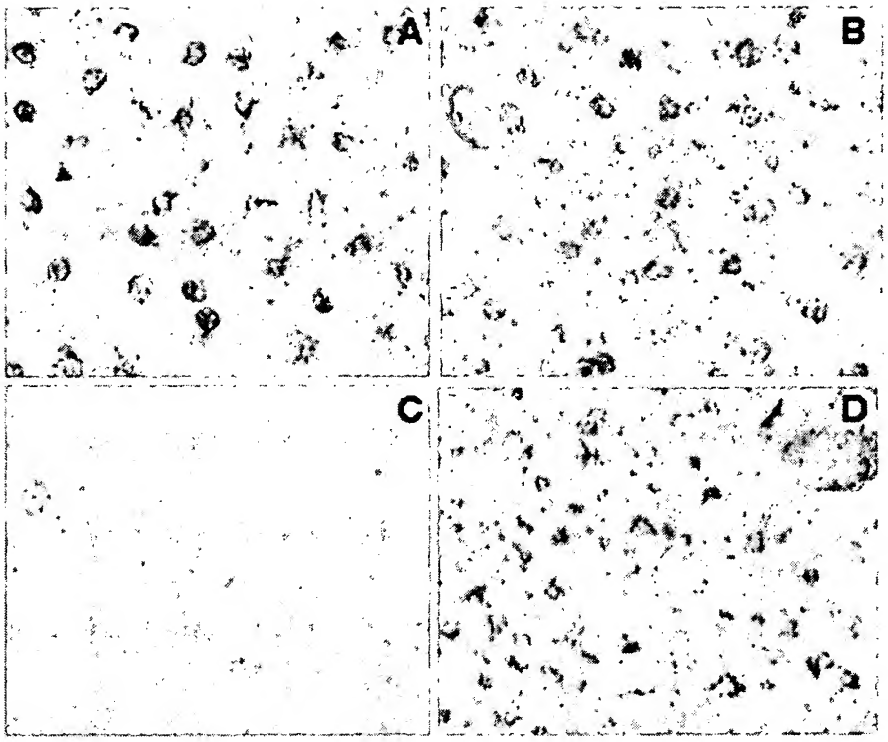


Figure 4

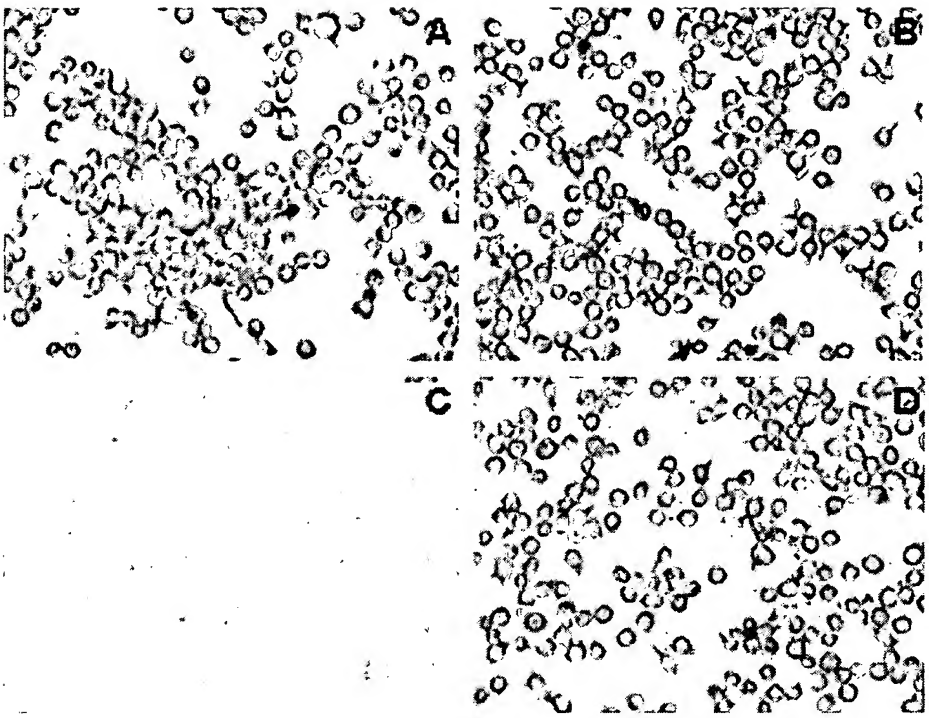


Figure 5

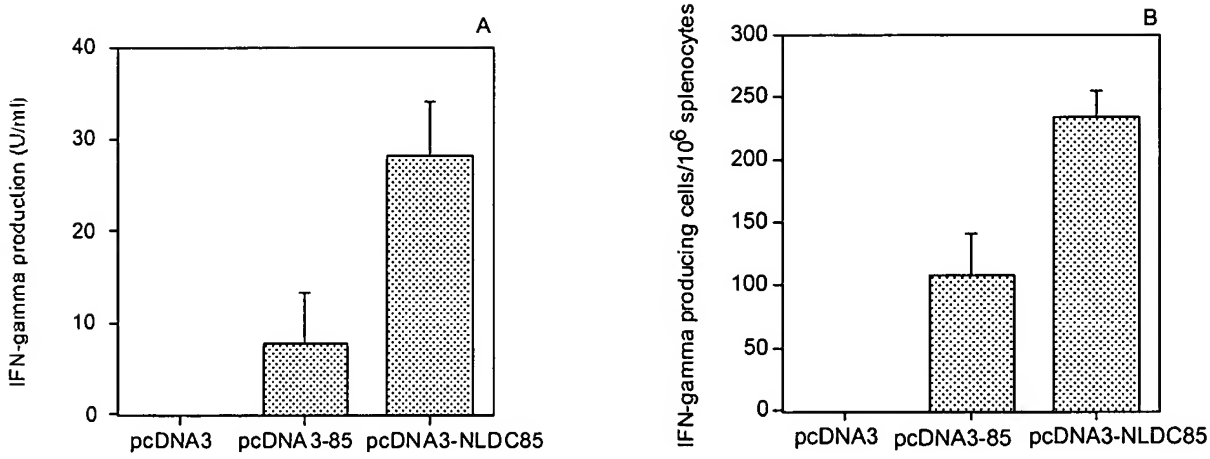

A
IFN-gamma production (U/ml)
40
30
20
10
0
pcDNA3
pcDNA3-85
pcDNA3-NLDC85
B
IFN-gamma producing cells/10^6 splenocytes
300
250
200
150
100
50
0
pcDNA3
pcDNA3-85
pcDNA3-NLDC85

Figure 6

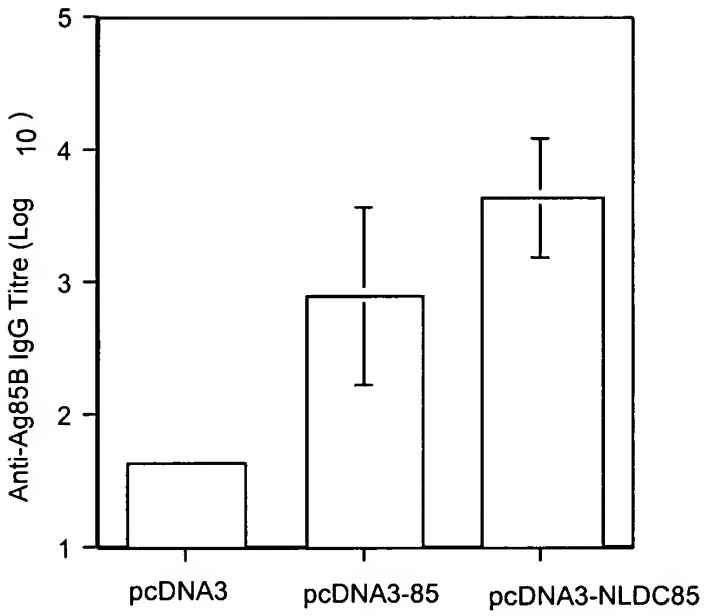
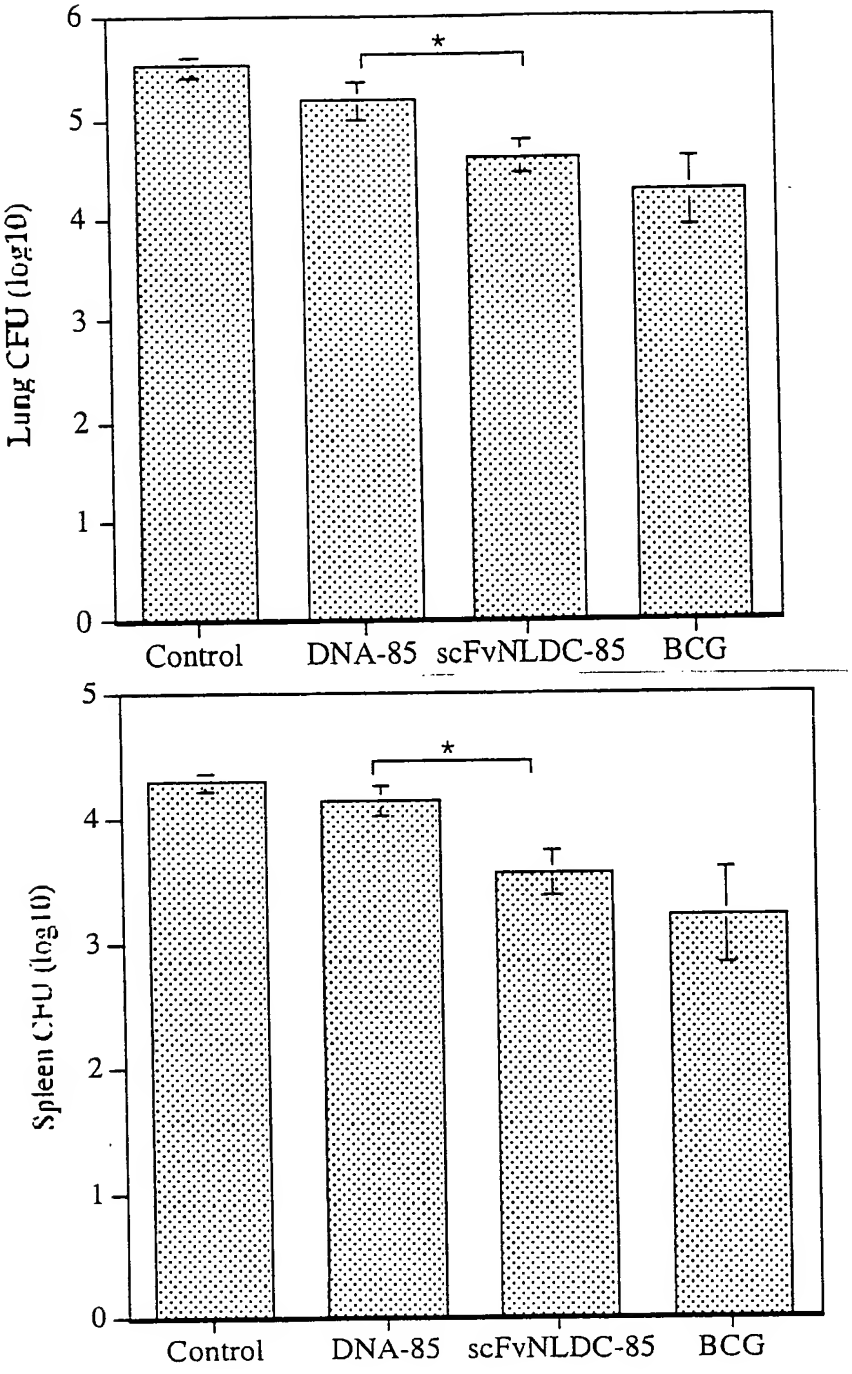

5
4
3
2
1
Anti-Ag85B IgG Titre (Log 10)
pcDNA3
pcDNA3-85
pcDNA3-NLDC85

Figure 7



* p< 0.05

Figure 8